

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 05335643 A

(43) Date of publication of application: 17.12.93

(51) Int. Cl

H01L 41/09

(21) Application number: 04143834

(71) Applicant: NEC CORP

(22) Date of filing: 04.06.92

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(54) ELECTROSTRICTIVE EFFECT ELEMENT

reducing a process and hence man-hour.

(57) Abstract:

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PURPOSE: To prevent electrical insulation deterioration and thermal stress during process by reducing man-hour which is required for forming a glass insulation layer constituting an electrostrictive effect element.

CONSTITUTION: In a lamination-type electrostrictive effect element where a piezoelectric ceramic member and an inner electrode conductor layer are laminated alternately, press conductive films $2e_1$ and $2e_2$ are provided on a pair of opposing side surfaces of the electrostrictive effect element, a press conductive film is pressed and connected by external electrode conductors $5c_1$ and $5c_2$ to an internal electrode exposed end face at every other layer and alternately on each side surface. Since there is no process for forming the glass insulation layer, causes leading to insulation deterioration such as diffusion of silver into glass on formation of external electrode conductor layer conventionally and generation of crack within glass due to thermal stress can be eliminated, thus improving reliability of the insulation layer and preventing deterioration of the element and at the same time

